

| Appendix D-3: Table 6<br>Return Flow Rates Utilized with Crop Acreages Reported for 1970 - 2009<br>(developed from Appendix D-3: Table 4) |                                         |                                               |      |                                                                                  |      |                                                          |                                                         |      |                                                        |                          |      |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------------------------|------|----------------------------------------------------------------------------------|------|----------------------------------------------------------|---------------------------------------------------------|------|--------------------------------------------------------|--------------------------|------|--|--|
| Crop                                                                                                                                      | ET of Applied Water<br>ET <sub>AW</sub> | Applied Crop Water<br>Duty<br>AW <sub>c</sub> |      | Applied Water above<br>ET <sub>AW</sub><br>(AW <sub>c</sub> - ET <sub>AW</sub> ) |      | Applied Water for<br>Erosion Control<br>AW <sub>er</sub> | Applied Water for<br>Pre-Irrigation<br>AW <sub>pr</sub> |      | Evaporated Portion<br>of AW <sub>pr</sub> <sup>1</sup> | Return Flow <sup>2</sup> |      |  |  |
|                                                                                                                                           | (in)                                    | (in)                                          | (ft) | (in)                                                                             | (ft) | (in)                                                     | (in)                                                    | (in) | (in)                                                   | (in)                     | (ft) |  |  |
| Alfalfa                                                                                                                                   | 60.33                                   | 77.42                                         | 6.5  | 17.08                                                                            | 1.42 | 0                                                        | 2.0                                                     | 0.0  | 17.08                                                  | 1.42                     |      |  |  |
| Carrots                                                                                                                                   | 27.47                                   | 46.83                                         | 3.9  | 19.37                                                                            | 1.61 | 6                                                        | 6.5                                                     | 0.5  | 12.87                                                  | 1.07                     |      |  |  |
| Grain                                                                                                                                     | 21.52                                   | 30.90                                         | 2.6  | 9.38                                                                             | 0.78 | 0                                                        | 4.0                                                     | 0.5  | 8.88                                                   | 0.74                     |      |  |  |
| Melons/Squash                                                                                                                             | 23.91                                   | 33.88                                         | 2.8  | 9.98                                                                             | 0.83 | 0                                                        | 4.0                                                     | 0.5  | 9.48                                                   | 0.79                     |      |  |  |
| Onions                                                                                                                                    | 37.57                                   | 53.96                                         | 4.5  | 16.39                                                                            | 1.37 | 3                                                        | 4.0                                                     | 0.5  | 12.89                                                  | 1.07                     |      |  |  |
| Orchard (Deciduous)                                                                                                                       | 47.38                                   | 59.22                                         | 4.9  | 11.84                                                                            | 0.99 | 0                                                        | 0.0                                                     | 0.0  | 11.84                                                  | 0.99                     |      |  |  |
| Pasture                                                                                                                                   | 64.42                                   | 80.53                                         | 6.7  | 16.11                                                                            | 1.34 | 0                                                        | 0.0                                                     | 0.0  | 16.11                                                  | 1.34                     |      |  |  |
| Potatoes                                                                                                                                  | 24.02                                   | 34.03                                         | 2.8  | 10.01                                                                            | 0.83 | 0                                                        | 4.0                                                     | 0.5  | 9.51                                                   | 0.79                     |      |  |  |
| Silage                                                                                                                                    | 27.31                                   | 38.14                                         | 3.2  | 10.83                                                                            | 0.90 | 0                                                        | 4.0                                                     | 0.5  | 10.33                                                  | 0.86                     |      |  |  |
| Sugar Beets                                                                                                                               | 40.55                                   | 54.68                                         | 4.6  | 14.14                                                                            | 1.18 | 0                                                        | 4.0                                                     | 0.5  | 13.64                                                  | 1.14                     |      |  |  |
| Vineyard (Grapes)                                                                                                                         | 35.33                                   | 44.16                                         | 3.7  | 8.83                                                                             | 0.74 | 0                                                        | 0.0                                                     | 0.0  | 8.83                                                   | 0.74                     |      |  |  |

1) 1/2" (only for crops with AW<sub>pr</sub> > 2.00")

2) Applied Water above ET<sub>AW</sub> - AW<sub>er</sub> - Evaporated Portion of AW<sub>pr</sub>

1) 1/2" (only for crops with  $AW_{pr} > 2.00"$ )

2) Applied Water above  $ET_{AW}$  :  $AW_{er}$  - Evaporated Portion of  $AW_{pr}$

